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LAMPIRAN

Lampiran 1. *Ethical clearance*

| | | |
|---|---|---|
|  | KOMISI ETIK PENELITIAN KESEHATAN (KEPK) FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO DAN RSUP dr KARIADI SEMARANG Sekretariat : Kantor Dekanat FK Undip Lt.3 Jl. Dr. Soetomo 18. Semarang 50231 Telp/Fax. 024-8318350 |  |
| ETHICAL CLEARANCE No.253/EC/FK-RSDK/2014 | | |
| Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro-RSUP Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian dengan judul : | | |
| PENGARUH BERMAIN VIDEO GAME TIPE FIRST PERSON SHOOTER TERHADAP WAKTU REAKSI YANG DIUKUR DENGAN ATTENTION NETWORK TEST | | |
| Peneliti Utama : | Taufan Pramadika | |
| Pembimbing : | 1. dr. Gana Adyaksa , M.Si.Med 2. dr. Budi Laksono | |
| Penelitian : | Dilaksanakan di Ruang BBDM 9 Gedung B Fakultas Kedokteran UNDIP Semarang | |
| Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011 | | |
| Peneliti harus melampirkan 2 kopi lembar Informed consent yang telah disetujui dan ditandatangani oleh peserta penelitian pada laporan penelitian. Peneliti diwajibkan menyerahkan : | | |
| - Laporan kemajuan penelitian (clinical Trial) - Laporan kejadian efek samping jika ada ✓ - Laporan ke KEPK jika penelitian sudah selesai & dilampiri Abstrak Penelitian. | | |
| Semarang, 06 MAY 2014  Ketua Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Undip-RSUP Dr. Kariadi Prof.Dr.dr.Suprihati, M.Sc, Sp.THT-KL(K) NIP. 19500621197703 2 001 | | |

Lampiran 2. Surat Izin Penelitian



**KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS DIPONEGORO
FAKULTAS KEDOKTERAN**

Jl. Prof. H. Soedarto, SH – Tembalang – Semarang
Telepon 024-76928010, Fax. 024-76928011, Email : dean_fmdu@undip.ac.id

Nomor : ~~1532~~ /UN7.3.4/D1/PP/2014
Lampiran : 1 bendel
Perihal : Permohonan ijin penelitian

20 MAR 2014

Yth. Dekan Fakultas Kedokteran
Universitas Diponegoro
Semarang

Dengan hormat,

Bersama ini kami hadapkan mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Diponegoro Semarang:

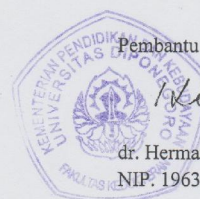
Nama : Taufan Pramadika
NIM : 22010110130193
Semester : VIII (delapan)

Mohon diijinkan melakukan penelitian di Fakultas Kedokteran Undip Semarang, dalam rangka penyusunan Karya Tulis Ilmiah mahasiswa. Terlampir proposal mahasiswa yang bersangkutan.

Judul/ Topik : Pengaruh Bermain Video Game Tipe First Person Shooter terhadap Waktu Reaksi yang Diukur dengan Attention Network Test

Pembimbing : dr. Gana Adyaksa, M.Si.Med/ dr. Budi Laksono

Atas perhatian dan kerjasamanya diucapkan terima kasih.



Pembantu Dekan I,

Herman Kristanto

dr. Herman Kristanto, MS, Sp. OG(K)
NIP. 196305051989031003

Tembusan :

1. Pembantu Dekan III
2. Ketua Tim Karya Tulis Ilmiah
3. Pembimbing
4. Mahasiswa Yang Bersangkutan

Lampiran 3. *Informed Consent*

JUDUL PENELITIAN : Pengaruh Bermain *Video Game* Tipe *First Person Shooter* Terhadap Waktu Reaksi Yang Diukur Dengan *Attention Network Test*
 INSTANSI PELAKSANA : Fakultas Kedokteran Universitas Diponegoro
 PENELITI : Taufan Pramadika

Persetujuan Setelah Penjelasan ***(INFORMED CONSENT)***

Yth Saudara :

Peneliti tersebut di atas adalah Mahasiswa Fakultas Kedokteran Universitas Diponegoro yang bermaksud ingin melibatkan Saudara untuk menjadi responden dalam penelitian ini dengan tujuan mengetahui pengaruh bermain *video game* tipe *First Person Shooter* terhadap waktu reaksi.

Pada penelitian ini akan dilakukan wawancara, tes waktu reaksi menggunakan *software Attention Network Test* dan bermain *video game* dalam durasi tertentu, pelaksanaan penelitian tidak akan menimbulkan efek samping bagi responden.

Seluruh biaya yang diperlukan dan berhubungan dengan penelitian menjadi tanggung jawab peneliti.

Identitas dan hasil pemeriksaan yang diperoleh akan dirahasiakan. Penderita berhak menolak untuk diikutsertakan dalam penelitian dengan alasan apapun, serta tidak ada konsekuensi apapun apabila tidak ikut serta dalam penelitian.

Terima kasih atas kerjasama Saudara.

Setelah mendengar dan memahami penjelasan penelitian, dengan ini saya menyatakan

SETUJU / TIDAK SETUJU

Untuk ikut sebagai responden / sampel penelitian.

Semarang,..... 2014

Saksi :
Nama Terang :
Alamat :

Nama Terang :
Alamat :

Lampiran 4. Kuesioner Penelitian

| |
|-----------------|
| Nomor Kuesioner |
|-----------------|



| |
|---|
| <p align="center">KUESIONER PENELITIAN PENGARUH BERMAIN VIDEO GAME TIPE FIRST PERSON SHOOTER TERHADAP WAKTU REAKSI YANG DIUKUR DENGAN ATTENTION NETWORK TEST</p> |
|---|

No. Kuesioner :

Nama Responden :

Tanggal Wawancara :

A. IDENTITAS RESPONDEN

1. Nama :
2. Usia :
3. Jenis Kelamin :
4. Nomor Telepon :

B. ANAMNESIS

1. Apakah anda memiliki kelainan refraksi mata ?
 - a. Ya
 - b. Tidak
2. Jika iya, berapa? Sebutkan
3. Apakah kelainan refraksi anda dikoreksi dengan kaca mata atau lensa kontak?
 - a. Ya

- b. Tidak
- 4. Apakah anda memiliki kelainan muskulo skeletal pada tangan ?
 - a. Ya, sebutkan
 - b. Tidak
- 5. Apakah anda memiliki riwayat kejang?
 - a. Ya
 - b. Tidak
- 6. Tangan manakah yang anda gunakan dominan sehari-hari? (Untuk menulis, mengetik, dll)
 - a. Kanan
 - b. Kiri
- 7. Apakah anda dapat mengoperasikan komputer?
 - a. Ya
 - b. Tidak
- 8. Apakah anda pernah bermain *video game*?
 - a. Pernah
 - b. Tidak Pernah
- 9. *Video game* apa yang sering anda mainkan?
Sebutkan.....
- 10. Berapa lama (jam) anda memainkan *video game* dalam satu minggu?
Sebutkan.....

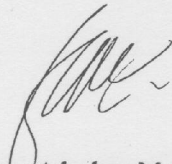
Lampiran 5. Lembar Pengesahan Kuesioner Karya Tulis Ilmiah

LEMBAR PENGESAHAN KUESIONER KARYA TULIS ILMIAH

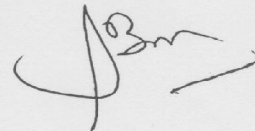
PENGARUH BERMAIN *VIDEO GAME* TIPE *FIRST PERSON SHOOTER*
TERHADAP WAKTU REAKSI YANG DIUKUR DENGAN *ATTENTION*
NETWORK TEST

Telah disetujui

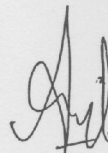
Semarang, 3 Maret 2014



dr. Gana Adyaksa, Msi.Med



dr. Budi Laksono



dr. Darmawati Ayu Indraswari

Lampiran 6. Hasil Analisis Statistik

Karakteristik

| Descriptives | | | |
|--------------|----------------------------------|------------------------|------------|
| | | Statistic | Std. Error |
| Umur | Mean | 21.2778 | .14148 |
| | 95% Confidence Interval for Mean | Lower Bound 20.9906 | |
| | | Upper Bound 21.5650 | |
| | 5% Trimmed Mean | 21.2840 | |
| | Median | 21.0000 | |
| | Variance | .721 | |
| | Std. Deviation | .84890 | |
| | Minimum | 19.00 | |
| | Maximum | 23.00 | |
| | Range | 4.00 | |
| | Interquartile Range | 1.00 | |
| | Skewness | -.286 | .393 |
| | Kurtosis | .548 | .768 |
| Durasi | Mean | 4.7917 | .29235 |
| | 95% Confidence Interval for Mean | Lower Bound 4.1982 | |
| | | Upper Bound 5.3852 | |
| | 5% Trimmed Mean | 4.8704 | |
| | Median | 5.5000 | |
| | Variance | 3.077 | |
| | Std. Deviation | 1.75408 | |
| | Minimum | .50 | |
| | Maximum | 7.00 | |
| | Range | 6.50 | |
| | Interquartile Range | 3.00 | |
| | Skewness | -.720 | .393 |
| | Kurtosis | -.553 | .768 |

EXPLORE

| Descriptives | | | |
|---------------------|----------------------------------|--|-------------------|
| | | Statistic | Std. Error |
| KontrolPreRT | Mean | 529.6667 | 17.17152 |
| | 95% Confidence Interval for Mean | Lower Bound 490.0691 Upper Bound 569.2643 | |
| | 5% Trimmed Mean | 528.1296 | |
| | Median | 518.0000 | |
| | Variance | 2653.750 | |
| | Std. Deviation | 51.51456 | |
| | Minimum | 462.00 | |
| | Maximum | 625.00 | |
| | Range | 163.00 | |
| | Interquartile Range | 79.50 | |
| | Skewness | .641 | .717 |
| | Kurtosis | -.031 | 1.400 |
| KontrolPostRT | Mean | 521.2222 | 16.92859 |
| | 95% Confidence Interval for Mean | Lower Bound 482.1848 Upper Bound 560.2596 | |
| | 5% Trimmed Mean | 519.9136 | |
| | Median | 526.0000 | |
| | Variance | 2579.194 | |
| | Std. Deviation | 50.78577 | |
| | Minimum | 452.00 | |
| | Maximum | 614.00 | |
| | Range | 162.00 | |
| | Interquartile Range | 80.00 | |
| | Skewness | .484 | .717 |
| | Kurtosis | -.188 | 1.400 |
| P1PreRT | Mean | 523.1111 | 16.75762 |
| | 95% Confidence Interval for Mean | Lower Bound 484.4680 Upper Bound 561.7543 | |
| | 5% Trimmed Mean | 521.4568 | |
| | Median | 520.0000 | |
| | Variance | 2527.361 | |

| | | | |
|----------|----------------------------------|----------------------------|----------|
| | Std. Deviation | 50.27287 | |
| | Minimum | 455.00 | |
| | Maximum | 621.00 | |
| | Range | 166.00 | |
| | Interquartile Range | 69.50 | |
| | Skewness | .626 | .717 |
| | Kurtosis | .743 | 1.400 |
| P1PostRT | Mean | 486.1111 | 12.76980 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | |
| | | 456.6639 515.5583 | |
| | 5% Trimmed Mean | 486.0123 | |
| | Median | 493.0000 | |
| | Variance | 1467.611 | |
| | Std. Deviation | 38.30941 | |
| | Minimum | 436.00 | |
| | Maximum | 538.00 | |
| | Range | 102.00 | |
| | Interquartile Range | 72.00 | |
| | Skewness | -.005 | .717 |
| | Kurtosis | -1.525 | 1.400 |
| P2PreRT | Mean | 531.3333 | 5.15590 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | |
| | | 519.4438 543.2229 | |
| | 5% Trimmed Mean | 531.9259 | |
| | Median | 537.0000 | |
| | Variance | 239.250 | |
| | Std. Deviation | 15.46771 | |
| | Minimum | 505.00 | |
| | Maximum | 547.00 | |
| | Range | 42.00 | |
| | Interquartile Range | 28.50 | |
| | Skewness | -.593 | .717 |
| | Kurtosis | -1.083 | 1.400 |
| P2PostRT | Mean | 495.4444 | 2.82406 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | |
| | | 488.9322 501.9567 | |
| | 5% Trimmed Mean | 495.6049 | |

| | | | |
|----------|----------------------------------|----------------------------|----------------------|
| | Median | 498.0000 | |
| | Variance | 71.778 | |
| | Std. Deviation | 8.47218 | |
| | Minimum | 483.00 | |
| | Maximum | 505.00 | |
| | Range | 22.00 | |
| | Interquartile Range | 17.00 | |
| | Skewness | -.384 | .717 |
| | Kurtosis | -1.638 | 1.400 |
| | | | |
| P3PreRT | Mean | 547.8889 | 17.27992 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 508.0413 587.7365 |
| | 5% Trimmed Mean | 545.6543 | |
| | Median | 525.0000 | |
| | Variance | 2687.361 | |
| | Std. Deviation | 51.83976 | |
| | Minimum | 492.00 | |
| | Maximum | 644.00 | |
| | Range | 152.00 | |
| | Interquartile Range | 85.00 | |
| | Skewness | .989 | .717 |
| | Kurtosis | -.195 | 1.400 |
| | | | |
| | | | |
| P3PostRT | Mean | 548.8889 | 20.59021 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 501.4078 596.3700 |
| | 5% Trimmed Mean | 544.7099 | |
| | Median | 544.0000 | |
| | Variance | 3815.611 | |
| | Std. Deviation | 61.77063 | |
| | Minimum | 488.00 | |
| | Maximum | 685.00 | |
| | Range | 197.00 | |
| | Interquartile Range | 75.50 | |
| | Skewness | 1.454 | .717 |
| | Kurtosis | 2.396 | 1.400 |
| | | | |
| | | | |

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|---------------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| KontrolPreRT | .164 | 9 | .200 [*] | .958 | 9 | .781 |
| KontrolPostRT | .135 | 9 | .200 [*] | .969 | 9 | .890 |
| P1PreRT | .169 | 9 | .200 [*] | .960 | 9 | .796 |
| P1PostRT | .154 | 9 | .200 [*] | .925 | 9 | .439 |
| P2PreRT | .199 | 9 | .200 [*] | .900 | 9 | .254 |
| P2PostRT | .174 | 9 | .200 [*] | .901 | 9 | .260 |
| P3PreRT | .242 | 9 | .136 | .886 | 9 | .180 |
| P3PostRT | .258 | 9 | .087 | .864 | 9 | .107 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Uji T-Berpasangan

Paired Samples Test

| | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
|--------|---------------------------------|--------------------|-------------------|-----------------------|---|----------|-------|----|--------------------|
| | | Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | | | | |
| | | | | | Lower | Upper | | | |
| Pair 1 | KontrolPreRT - KontrolPostRT | 8.44444 | 13.39880 | 4.46627 | -1.85478 | 18.74367 | 1.891 | 8 | .095 |
| Pair 2 | P1PreRT - P1PostRT | 37.00000 | 28.24447 | 9.41482 | 15.28938 | 58.71062 | 3.930 | 8 | .004 |
| Pair 3 | P2PreRT - P2PostRT | 35.88889 | 15.61605 | 5.20535 | 23.88533 | 47.89245 | 6.895 | 8 | .000 |
| Pair 4 | P3PreRT - P3PostRT | -1.00000 | 23.92175 | 7.97392 | -19.38788 | 17.38788 | -.125 | 8 | .903 |

EXPLORE

| Descriptives ^a | | | | |
|---------------------------|-------------|----------------------------------|--|------------|
| | Kelompok | | Statistic | Std. Error |
| Selisih RT | Kontrol | Mean | 8.4444 | 4.46627 |
| | | 95% Confidence Interval for Mean | Lower Bound -1.8548 Upper Bound 18.7437 | |
| | | 5% Trimmed Mean | 9.3827 | |
| | | Median | 10.0000 | |
| | | Variance | 179.528 | |
| | | Std. Deviation | 13.39880 | |
| | | Minimum | -22.00 | |
| | | Maximum | 22.00 | |
| | | Range | 44.00 | |
| | | Interquartile Range | 16.00 | |
| | | Skewness | -1.505 | .717 |
| | | Kurtosis | 3.206 | 1.400 |
| | Perlakuan 1 | Mean | 37.0000 | 9.41482 |
| | | 95% Confidence Interval for Mean | Lower Bound 15.2894 Upper Bound 58.7106 | |
| | | 5% Trimmed Mean | 35.6667 | |
| | | Median | 30.0000 | |
| | | Variance | 797.750 | |
| | | Std. Deviation | 28.24447 | |
| | | Minimum | 10.00 | |
| | | Maximum | 88.00 | |
| | | Range | 78.00 | |
| | | Interquartile Range | 46.00 | |
| | | Skewness | 1.144 | .717 |
| | | Kurtosis | .063 | 1.400 |
| | Perlakuan 2 | Mean | 35.8889 | 5.20535 |
| | | 95% Confidence Interval for Mean | Lower Bound 23.8853 Upper Bound 47.8924 | |
| | | 5% Trimmed Mean | 35.9877 | |
| | | Median | 41.0000 | |

| | | | |
|-------------|----------------------------------|----------------------------|---------------------|
| Perlakuan 3 | Variance | 243.861 | |
| | Std. Deviation | 15.61605 | |
| | Minimum | 16.00 | |
| | Maximum | 54.00 | |
| | Range | 38.00 | |
| | Interquartile Range | 33.00 | |
| | Skewness | -.435 | .717 |
| | Kurtosis | -1.709 | 1.400 |
| | Mean | -1.0000 | 7.97392 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | -19.3879 17.3879 |
| | 5% Trimmed Mean | | -.8333 |
| | Median | | -6.0000 |
| | Variance | | 572.250 |
| | Std. Deviation | | 23.92175 |
| | Minimum | | -41.00 |
| | Maximum | | 36.00 |
| | Range | | 77.00 |
| | Interquartile Range | | 37.00 |
| | Skewness | | .023 .717 |
| | Kurtosis | | -.277 1.400 |

Tests of Normality^a

| | Kelompok | Kolmogorov-Smirnov ^b | | | Shapiro-Wilk | | |
|-----------|-------------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| selisihRT | Kontrol | .259 | 9 | .083 | .848 | 9 | .070 |
| | Perlakuan 1 | .251 | 9 | .108 | .837 | 9 | .053 |
| | Perlakuan 2 | .220 | 9 | .200* | .851 | 9 | .077 |
| | Perlakuan 3 | .138 | 9 | .200* | .982 | 9 | .975 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

One Way ANOVA

Test of Homogeneity of Variances

selisihRT

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 1.899 | 3 | 32 | .150 |

ANOVA

selisihRT

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 10043.639 | 3 | 3347.880 | 7.467 | .001 |
| Within Groups | 14347.111 | 32 | 448.347 | | |
| Total | 24390.750 | 35 | | | |

Post-Hoc Tukey

Multiple Comparisons

Dependent Variable: selisihRT

Tukey HSD

| (I) Kelompok | (J) Kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------|--------------|--------------------------|------------|------|-------------------------|-------------|
| | | | | | Lower Bound | Upper Bound |
| Kontrol | Perlakuan 1 | -28.55556* | 9.98162 | .035 | -55.5994 | -1.5117 |
| | Perlakuan 2 | -27.44444* | 9.98162 | .046 | -54.4883 | -.4006 |
| | Perlakuan 3 | 9.44444 | 9.98162 | .780 | -17.5994 | 36.4883 |
| Perlakuan 1 | Kontrol | 28.55556* | 9.98162 | .035 | 1.5117 | 55.5994 |
| | Perlakuan 2 | 1.11111 | 9.98162 | .999 | -25.9327 | 28.1549 |
| | Perlakuan 3 | 38.00000* | 9.98162 | .003 | 10.9562 | 65.0438 |
| Perlakuan 2 | Kontrol | 27.44444* | 9.98162 | .046 | .4006 | 54.4883 |
| | Perlakuan 1 | -1.11111 | 9.98162 | .999 | -28.1549 | 25.9327 |
| | Perlakuan 3 | 36.88889* | 9.98162 | .004 | 9.8451 | 63.9327 |
| Perlakuan 3 | Kontrol | -9.44444 | 9.98162 | .780 | -36.4883 | 17.5994 |
| | Perlakuan 1 | -38.00000* | 9.98162 | .003 | -65.0438 | -10.9562 |
| | Perlakuan 2 | -36.88889* | 9.98162 | .004 | -63.9327 | -9.8451 |

*. The mean difference is significant at the 0.05 level.

Lampiran 7. Dokumentasi



Lampiran 8. Biodata Mahasiswa

Identitas

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Riwayat Pendidikan Formal

- | | |
|--|--------------------|
| 1. SD : SD Negeri Siliwangi 03 Semarang | Lulus Tahun : 2004 |
| 2. SMP : SMP PL Domenico Savio Semarang | Lulus Tahun : 2007 |
| 3. SMA : SMA Negeri 3 Semarang | Lulus Tahun : 2010 |
| 4. S1 : Fakultas Kedokteran Universitas Diponegoro | Masuk Tahun: 2010 |